

Title (en)

PROCESS FOR REDUCING THE AMOUNT OF CARBON DISULPHIDE (CS<sub>2</sub>) IN A HYDROCARBON FEED

Title (de)

VERFAHREN ZUR VERRINGERUNG DER MENGE VON KOHLENSTOFFDISULFID (CS<sub>2</sub>) IN EINEM KOHLENWASSERSTOFFSTROM

Title (fr)

PROCÉDÉ DE RÉDUCTION DE LA QUANTITÉ DE DISULFURE DE CARBONE (CS<sub>2</sub>) DANS UNE CHARGE D'HYDROCARBURES

Publication

**EP 3535351 A4 20200219 (EN)**

Application

**EP 17838912 A 20170812**

Priority

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- IB 2017054933 W 20170812

Abstract (en)

[origin: WO2018029661A1] The present disclosure relates to a process for reducing the amount of carbon disulphide (CS<sub>2</sub>) in a hydrocarbon feed containing C5-C8 fractions. The hydrocarbon feed is treated with an amine functionalized anion exchange resin (basic anion exchange resin) to obtain a mixture comprising a liquid fraction containing treated hydrocarbon and a solid mass containing an adduct of CS<sub>2</sub> and the amine functionalized anion exchange resin. The so obtained liquid fraction containing the treated hydrocarbon is separated from the solid mass to obtain the hydrocarbon having CS<sub>2</sub> content less than 2 ppm. The amine functionalized anion exchange resin can be regenerated from the solid mass.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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- [X] US 4283204 A 19810811 - SAVAGE DAVID W
- [X] WO 2016069316 A1 20160506 - DOW GLOBAL TECHNOLOGIES LLC [US]
- See also references of WO 2018029661A1

Designated contracting state (EPC)

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